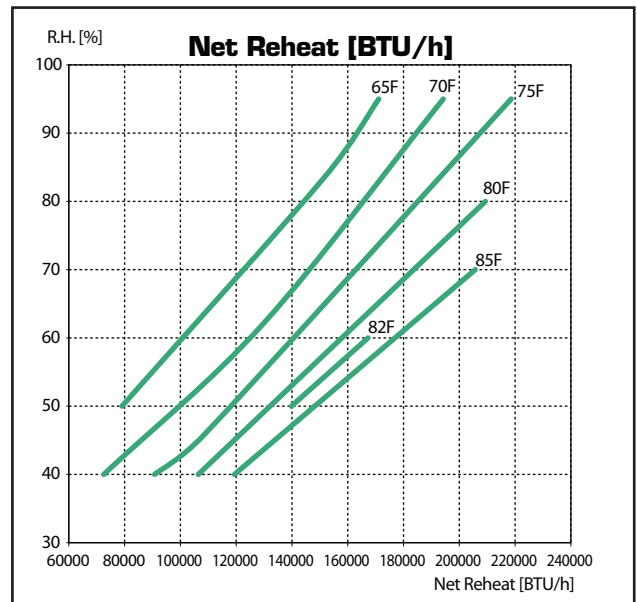
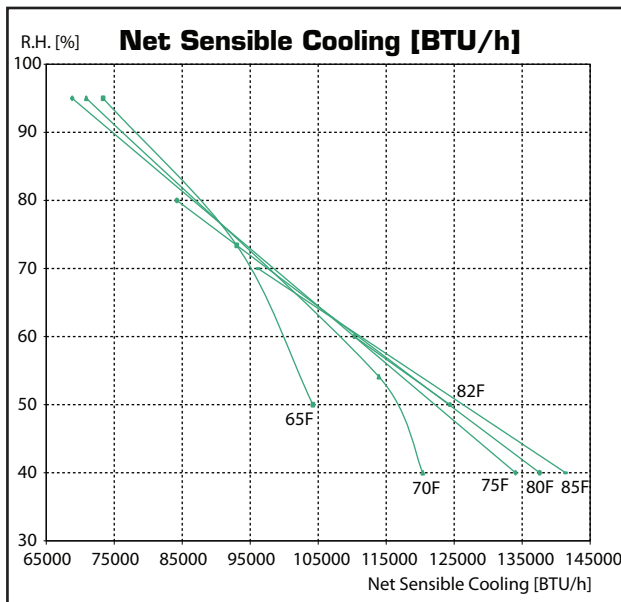
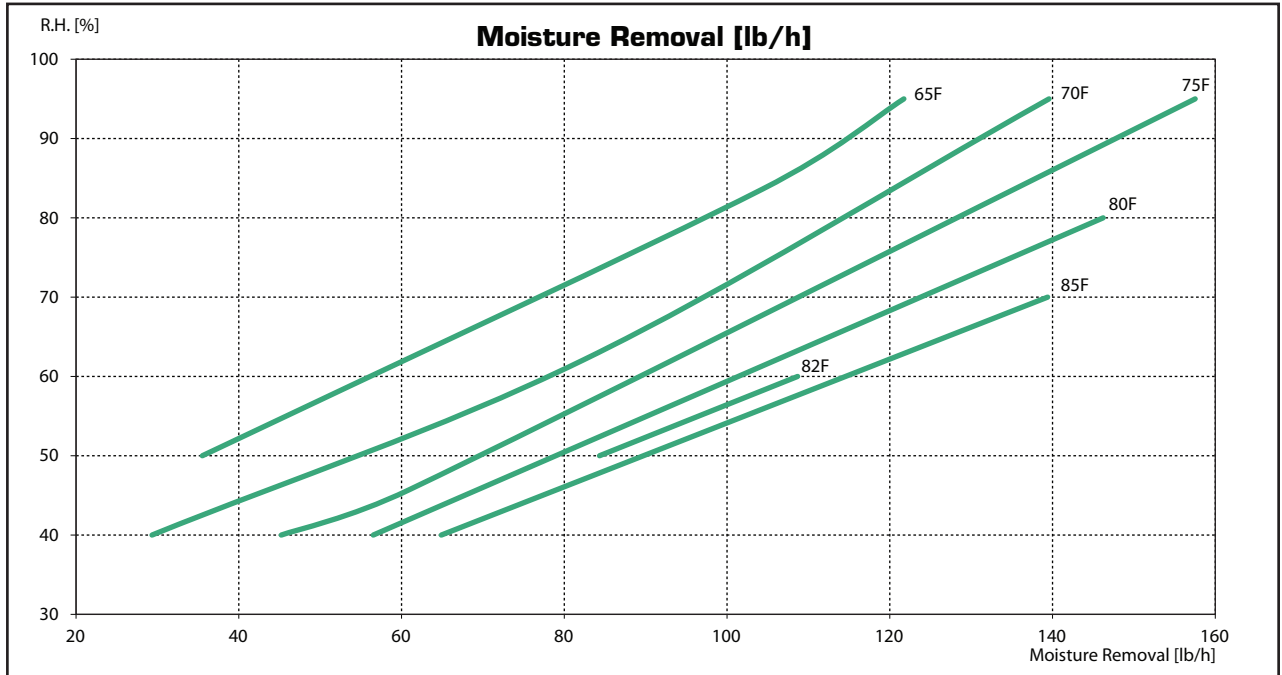


**DCA 800T DEHUMIDIFICATION SYSTEM**

**PERFORMANCE**



Performance	82DB / 50% R.H.	82DB / 60% R.H.	Notes
Moisture Removal, LB/HR	84.3	108.7	1
Net Sensible Cooling, MBH	124.4	110.3	2
Net Reheat, MBH	139.8	167.3	3
Water Heating - A, MBH (Water Heating Models Only)	132.6	139.1	4, 6
Water Heating - B, MBH (Water Heating Models Only)	132.6	139.1	4, 6

**Notes:**

1. Reheat mode assuming 1050 BTU/lb.
2. Cooling mode with remote condenser at 95F.
3. Defined as sum of latent and compressor input. Use dehumidifier for supplemental heat only.
4. Assuming 85F entering water temperature.
5. For conditions and data not shown contact the factory.

CAUTIONS: The reheat capacity rating includes latent recovery and heat of compression. It is recommended that dehumidifiers be used for supplemental heat only. The cooling capacity is based on an ambient temperature of 95 F. As outside conditions vary, so will the performance of the dehumidifier. Ratings are subject to change without notice.

## DESIGN SPECIFICATIONS

Electrical	208/230V	460V	575V
Phase/Hz	3/60	3/60	3/60
Compressor M.B.H. A/B	106/106	106/106	106/106
Compressor RLA A/B	30.1 / 30.1	15.5 / 15.5	12.1 / 12.1
Compressor LRA A/B	225/225	114/114	80/80
Blower Motor H.P.	5	5	5
Blower Motor FLA	13.7	6.3	5.0
Unit FLA	76.1	38.3	30.1
Maximum Fuse Size	100	50	40
Minimum Circuit Amp.	83.6	42.2	33.1
Operating kW	19.17	18.80	18.76

CFM.....	8000
External Static Pressure .....	0.50" H <sub>2</sub> O
Refrigerant.....	R-407C (Factory Charged A/B 65 lbs.)
Compressor Type.....	Dual Scroll
Filter (Quantity: 6).....	20" x 25" x 4" Pleated
Drain Connection .....	1" Bar Drain
DCA 8000T Weight .....	2500 lbs.
Liquid Inlet A/B [inches O.D.] (up to 50') <sup>1</sup> .....	0.625 / 0.625
Hot Gas Outlet A/B [inches O.D.] (up to 50') <sup>1</sup> .....	1.125 / 1.125
Water Inlet [inches O.D.] .....	1.125 / 1.125
Water Outlet [inches O.D.] .....	1.125 / 1.125
Water Flow G.P.M. <sup>2</sup> .....	17 / 17
Pressure Drop (Ft. WC) <sup>2</sup> .....	6.7 / 6.7

<sup>1</sup> Over 50ft contact factory

<sup>2</sup> Water Flow data based on 50% RH + Return Air 82°F and Pool Water at 85°F

## STANDARD FEATURES

- MET Laboratory Safety Listed To UL 1995
- 3 Year Parts Warranty
- Dual Refrigeration Circuits
- Dual Scroll Compressors
- Powder Coated, Galvannealed Steel Cabinet
- Low Ambient Head Pressure Control
- Remote Condenser Ready

- Rifle Tube Refrigeration Coils
- TEFC Blower Motor
- Stainless Steel Condensate Drain Pan
- Standard Microprocessor Control System
- Motorized Evaporator Bypass Damper
- ElectroFin Coated Coils

## OPTIONAL FEATURES

- Right Side Component Service Access
- Top or Bottom Discharge (Not Field Convertible)
- Outdoor Installation Package
- Outdoor Make Up Air Assembly with Damper & Filter
- External Static Upgrade
- Water Cooled Condenser For Water Heating Or A/C Available

- Remote Ready Delete
- Defrost Timer Package
- Control Options
- Space Heating Options Available
- Other Options Available

